Claims

1. Plate-link chain especially for continuously adjustable belt-driven conical disk transmissions, the chain links of which connecting the individual articulation members formed by plate links (1, 2) are constructed as pairs of rocker members (3) inserted into apertures (4) of the plate links (1, 2) with rocker surfaces (6) supported against each other, characterized in that at least the end faces (19) of the rocker members (3) that are in operative contact with the conical disks are provided with a nitrogen-enriched outer layer (19a), such as a carbon-nitrided layer.

2. Thrust link belt especially for continuously adjustable belt-driven conical disk transmissions with at least one closed belt strand (420, 421) and thrust links (422) carried by the strand, characterized in that at least the end faces (422a) of the thrust links (422) that are in operative contact with the conical disks are provided with a nitrogen-enriched outer layer (423), such as a carbon-nitrided layer.

3. Continuously adjustable belt-driven conical disk transmission with a first shaft (401) and a second shaft (402), whereby on the first and the second shaft in each case two conical disks (403, 403a, 403b, 404, 404a, 404b) are provided with substantially frustum-like surfaces facing toward one another, whereby at least one conical disk per shaft is axially movable relative to the shaft, characterized in that at least the frustum-like surfaces of the conical disks that are in operative contact with an endless loop means, such as a plate-link chain or a thrust link belt, is provided

with a nitrogen-enriched outer layer, such as a carbon-nitrided layer.

4. Transmission components according to claims 1, 2 or 3, characterized in that the outer layer is characterized such that a nitrogen content of at least 0.01%, advantageously at least in the 0.05% to 0.1% range, is present in an outer layer of at least 50 μm.

5. Transmission components especially according to one of the preceding claims, characterized in that in addition to a carbon-nitrided process a hardening process is likewise carried out.

6. Transmission components according to claim 5, characterized in that the case hardening depth in the region is greater than 0.3 mm, preferably greater than 0.5 mm.